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ROCKY FLATS DIVISION
P. O. BOX 833
GOLDEN, COLORADO 80401

JUN 10 [7]

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Mr. Harvey F. Soule
Division of Waste and Scrap
Management
U. S. Atomic Energy Commission
Washington, D. C. 20545

Thru: Mr. F. E. Abbott *F. E. Abbott*
Manager, RFAO, USAEC

ROCKY FLATS SOLID WASTE SHIPPED TO NRTS

Enclosed is the information that you requested on your visit to
Rocky Flats on August 31 and September 1, 1970.

H. H. Lee
H. H. Lee
Environment Control Manager

JEO:sls
Enc.

cc:

F. E. Abbott - AEC, Rocky Flats
C. H. Compierre - Dow, Rocky Flats
L. M. Joshiel - Dow, Rocky Flats
J. B. Owen - Dow, Rocky Flats

SOLID WASTE SHIPMENTS FROM ROCKY FLATS TO IDAHO FALLS, IDAHO

1954 Thru 1970

Table I is a summary of the various containers of solid contaminated waste shipped from Rocky Flats to Idaho Falls during the period of 1954 thru 1970.

The estimated quantities of radioactive materials in the wastes are given in Table II.

Transuranium contaminated waste packages bear the following building identification numbers or prefix numbers: 559---, 707---, 771---, 771 (595) ---, 741---, 742---, 743---, 744---, 745---, 746---, 776---, 777---, 779---, and 995---.

Non-transuranium contaminated waste packages bear the following building identification numbers or prefix numbers: 123---, 331---, 440---, 441---, 444---, 865---, 831---, 833---, and 889---.

*16 different building
numbers and 1 prefix number
are listed in the package.*

...and we can't afford to let our magazines stand still. So now we're going to do what we can to help them.

Calendar Year	55-gal Drums			30-gal Drums			40-gal Drums			Boxes (std) [a]			Boxes (std) [a]			Cartons		
	Number	Cu Ft	Number	Cu Ft	Number	Cu Ft	Number	Cu Ft	Number	Cu Ft	Number	Cu Ft	Number	Cu Ft	Number	Cu Ft	Number	Cu Ft
1954	1,705	12,617	2,265	11,325							5	50						
1955	4,381	32,419	174	870	53	318				7	106			1,203	5,664			
1956	4,773	35,320	11	55	1,054	6,324				8	196			2	9			
1957	7,138	52,821	535	2,995						61	2,367			1,251	5,880	101	2,112	
1958	6,096	45,110	303	1,315	43	239				131	4,073			1,797	1,042	4,932	123	
1959	7,833	58,334	119	595	5	30				139	5,399			7	1,268	1,679	7,891	
1960	7,689	56,399	30	150	1	6				160	8,106			22	3,257	130	611	
1961	9,566	70,788	22	110	17	102				153	5,824			12	1,850	1,592	7,450	
1962	10,752	79,565	15	75	1	6				166	9,351			34	5,692	549	2,557	
1963	12,012	88,889	4	20						199	13,835			87	13,732	535	2,065	
1964	11,383	84,234	2	10						168	10,120			211	31,645	1,023	4,927	
1965	9,784	72,402								91	4,493			280	41,476	782	3,581	
1966	13,596	100,610	12	60						59	3,346			454	64,345	575	3,101	
1967	16,350	135,790	3	15						32	1,519			391	51,615	990	4,980	
1968	19,118	141,473	66	330	1	112				425	47,600			588	95,555	323	2,433	
1969	17,564	129,974	2,855	14,275						665	74,480			30	1,611	63	14,109	
1970	22,321	165,175	741	3,705						1,380	154,360			59	3,431	62	15,686	
Totals	184,711		7,207	1,174						2,471	1,544			2,223[b]	12,508[c]		5,782[d]	
Total Number			36,035	7,045							79,663			346,699		62,288		

[1] Standard Box = 0.125 x 0.125 x 0.125

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[b] Includes 873 boxes 84 in. by 48 in. by 52 in. and 273 boxes 86 in. by 48 in. by 50 in.

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TABLE I
SUMMARY OF CONTAINERS OF SOLID WASTES SHIPPED FROM ROCKY FLATS TO IDAHO FALLS, IDAHO

Calendar Year	55-Gal. Drums		30-Gal.		Drums		40-Gal.		Drums		Boxes (Std.)*		Boxes (>Std.)		Filters		Cartons	
	Number	Cu. Ft.	Number	Cu. Ft.	Number	Cu. Ft.	Number	Cu. Ft.	Number	Cu. Ft.	Number	Cu. Ft.	Number	Cu. Ft.	Number	Cu. Ft.	Number	Cu. Ft.
1953	1,705	12,617	2,265	11,325	11	318	2,399	50	5	50	1,205	5,664						
1955	1,221	32,419	174	11	53	1,054	6,224	3937	7	106	2	9						
1955	4,773	35,320	11	55	2,925	43	4714	46777	9	165	2,367	3	672	1,251	5,270	101	2,112	
1957	7,133	52,521	535	1,515	43	259	54140	66777	61	4,073	4,073	9	1,797	1,032	4,932	123	554	
1953	6,096	45,110	363	119	595	5	30	73577	139	5,399	7	1,268	1,679	7,891				
1953	7,533	53,234	119	150	1	6	69123	160	8,104	22	3,257	130	611	34	156			
1959	7,639	56,399	30	110	17	102	16124	153	5,821	12	1,350	1,592	7,450					
1961	9,566	70,722	22	75	1	6	17271	196	9,391	34	5,692	519	2,557	7	35			
1962	10,752	79,555	14	20	10	1325	1854	199	13,835	87	13,732	535	2,865					
1963	12,012	81,259	1	2	10	132,132	132,132	163	10,120	211	33,645	1,023	4,927					
1964	11,323	81,234	1	2	10	12,1952	12,1952	91	6,473	200	41,476	762	3,581					
1965	9,744	72,402	12	60	15	2,05701	171,555	59	3,344	454	575	3,101	10	95				
1965	13,596	100,610	3	65	15	3,75722	425	112	32	1,519	391	51,615	990	4,930	943	11,670		
1967	18,350	135,790	66	330	14,275	2,033	665	47,600	76	5,650	52,451	323	-2,433	4,267	52,451			
1968	19,110	141,473	2,055	14,275	1,380	1,380	154,550	30	1,611	63	14,109	209	1,528	249	3,056			
1969	17,564	129,974	741	3,705	377,765	1,380	154,550	59	3,431	62	15,626	641	4,679	43	529			
TOTALS	184,111		7,207		1,174		2,471		1,544		2,223 ¹		12,508 ²		5,782 ³			
TOTALS			1,362,420		36,035		-7,045		276,752		79,663		344,699		62,288		70,691	

*Standard Box - 24"x48"x48"

¹Includes - 875 Boxes 84"x48"x52" and 273 Boxes 84"x48"x50"

²Includes - 24"x24"x14", "24"x24"x16", "24"x24"x18", "24"x24"x28", and 28"x28"x16" Cartons of Filters

³Includes - 5,496 Cartons Containing 55-Gallon Drums

L: 147,165 ft³

TABLE II

ESTIMATED QUANTITIES OF RADIOACTIVE MATERIALS SHIPPED FROM ROCKY FLATS TO IDAHO FALLS, IDAHO

Calendar Year	^{238}U kg	^{235}U kg	^{234}Pu kg	^{239}Pu kg	^{240}Pu kg	^{241}Pu kg	^{242}Pu kg	^{243}Am kg
1954	723	130	0.02	239.09	14.94	0.90	0.04	14
1955	979	879	0.15	1,529.26	95.54	5.79	0.26	26
1956	1,174	1,103	0.22	2,266.23	141.59	8.53	0.33	28
1957	2,147	1,616	0.30	3,184.16	198.94	12.05	0.54	43
1958	4,203	5,009	0.41	4,320.55	269.93	16.36	0.74	61
1959	3,753	11,319	0.46	4,900.61	299.93	18.18	0.82	62
1960	4,123	16,481	0.34	3,553.84	222.06	17.15	0.61	46
1961	4,311	13,921	0.53	5,539.71	346.09	26.73	0.95	70
1962	4,674	4,493	0.50	5,171.52	323.14	21.95	0.88	180
1963	1,672	6,269	1.53	15,944.51	996.30	76.94	2.72	204
1964	1,339	7,888	1.79	18,586.94	1,161.41	89.69	3.17	238
1965	4,269	4,066	2.43	25,340.54	1,583.41	122.28	4.33	414
1966	53,452	1,628	8.73	90,820.55	5,674.95	438.25	15.51	2,815
1967	53,176	1,289	5.40	55,231.04	3,513.61	271.34	9.60	2,129
1968	33,273	1,210	4.78	43,543.44	2,720.83	210.11	7.44	1,778
1969	22,721	.36,259	3.25	38,046.37	2,376.93	149.34	6.49	4,875
1970	7,034	14,196	2.58	24,178.81	1,517.63	105.82	5.16	1,834
TOTAL\$	203,194. kg*	129,467 g	32.82 g	343,296.17 g	21,457.23 g	1,594.46 g	59.64 g	14,817 g

*During calendar year 1967 there were 56 grams of ^{233}U .